



SERVICE MANUAL

Model Series:

P60W26

Product Type: Plasma HDTV
Chassis: NP-00KA/B
Manual Series: PV154
Manual Part #: 923-03493
Model Line: E
Product Year: 2002

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PRODUCT SAFETY

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-visual service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer's approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

GRAPHIC SYMBOLS



The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated "dangerous voltage" that may be of sufficient magnitude to constitute a risk of electric shock.



The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.

SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items transported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After reassembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. **DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST.** Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using a cart or stand that has not been listed by Underwriters Laboratories, Inc. for use with its specific model of television receiver or generically approved for use with TVs of the same or larger screen size.
8. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

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GENERAL INFO

GENERAL INFO

FEATURES

60" PLASMA HDTV MONITOR

Groundbreaking display technology delivers superior image clarity, color, and brightness in large-format televisions that are less than 4" thick

1280 X 720P RESOLUTION

High resolution format produces extremely detailed imagery

550:1 CONTRAST RATIO

Extremely sharp contrast between light and dark images

500 CD/M2 HIGH BRIGHTNESS

Renders an incredibly bright picture, even in well-lit areas

ASPECT RATIO CORRECTION

Intelligent resizing of video and computer images to 16:9 widescreen or 4:3 conventional formats.

INTELLIGENT IMAGE SCALING

Faroudja/Sage scan converter seamlessly converts TV video data to PC formats without distortion or cropping images in either 4:3 or 16:9.

INPUTS

RS-232 Controls and NTSC, HD, VGA, SVGA, XGA, and SXGA inputs Compatible with DVD players, VCRs, computers, digital broadcasting, multimedia, and traditional video sources.

SPECIFICATIONS

CABINET DIMENSIONS

H x W x D 57.30" x 34.80" x 3.90"

Weight 154.3 lbs.

UPC Code 04464200412 5

Finish Brushed Silver

Cabinet Style Slim Frame

Power Consumption 650W (Max Audio 700W)

Power Source 120v 60Hz

CABINET W/PACKING

H x W x D 45.30" x 36.50" x 23.00"

Weight 183 lbs.

CABINET STAND

H x W x D 45.7" x 15.5" x 16.3"

Weight 66.8 lbs.

SPEAKER DIMENSIONS

H x W x D 5.30" x 34.80" x 3.90"

Weight 5.5 lbs.

UPC Code 04464200542 9

SPEAKER STAND

H x W x D 8.70" x 8.60" x 8.70"

Weight 4 lbs.

UPC Code 04464200552 8

ACCESSORIES

15-Wire RGB Cable Yes

R/L Audio Cable (w/Speaker) Yes

Power Cord Yes
(Optional)

Table/Desk Mount/Pedestal Yes

Wall Mount Yes

Integrated Power Supply Yes

Anti Reflection Screen Included DPD Screen Filter

AC-Line 120v

Speakers Yes

REMOTE CONTROL

Transmitter Yes

Model Number SC3261

Transmitter Finish Brushed Silver

SERVICE/LIMITED WARRANTY

Warranty: Parts/Labor. 1 Year/1 Year

MTBF (Approx.) 30K Hours

Life Expectancy (Approx.) 30K Hours

UPC Code 4464200402 6

VIDEO

Screen Size 60"

Resolution Display 1280 x 720p

Pixel Pitch 0.343 (H) x 1.032 (V)

Aspect Ratio 16:9, 4:3 Zoom

Brightness 500 cd/m2

Contrast Ratio 550:1

Twin Picture, PIP Yes

Viewing Angle 160°

Format Conversion Intelligent Image Scanning

Aspect Ratio Correction Yes

Scan Converter Faroudja, Sage

Color Temperature 8,000k Fixed

Contrast Yes

Brightness/Sharpness Yes

Tint Yes

DISPLAY

Display Frequency. 15.73-68kHz (H), 50-80kHz (V)

PLE Yes

Displayable Colors 16.77M

GENERAL INFO

Color Gradation Filter Yes
Input Signal NTSC, HD, VGA, SVGA, XGA, SXGA
Display modes Normal, Wide, Zoom
Side Panels (Gray Bars for 4:3 Display) Yes

AUDIO

Mono/Stereo/MTS/SAP Mono/Stereo
Bass/Treble/Balance Yes
Total Audio (Watts) 20W (2 x 10W)
Speaker Size (Dimensions) 135mm/964mm/99mm
Subwoofer No

SPECIAL FEATURES

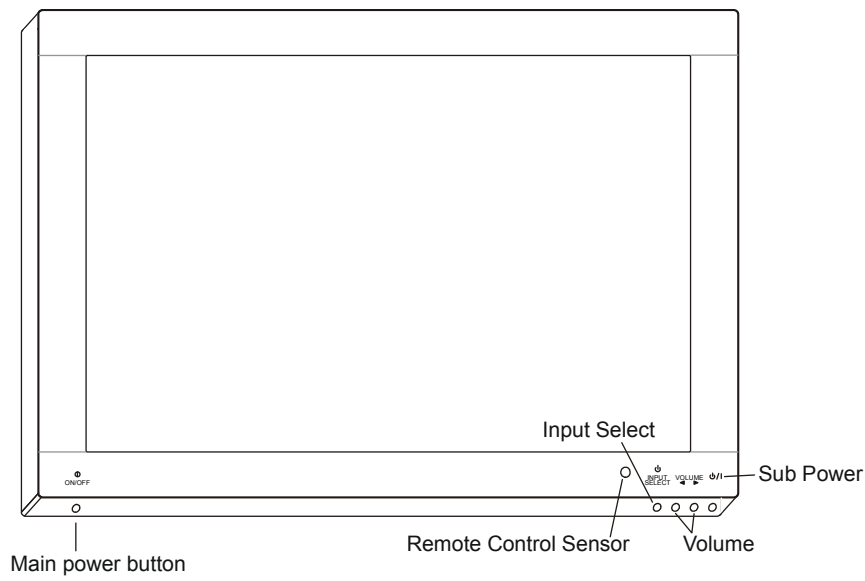
Acoustic Noise Yes
Picture In Picture (PIP) Yes
Multi-lingual Menus English/Spanish/French/Portu-
guese/Korean
1 Level Mute Yes
Shock Absorbing Glass Damper Yes, Tilt to 20°
RS232 Control Yes
Detachable AV Terminal Yes
Auto-Power On Yes
Discrete Power Off Yes
Last Source On Yes

OPERATING ENVIRONMENTS

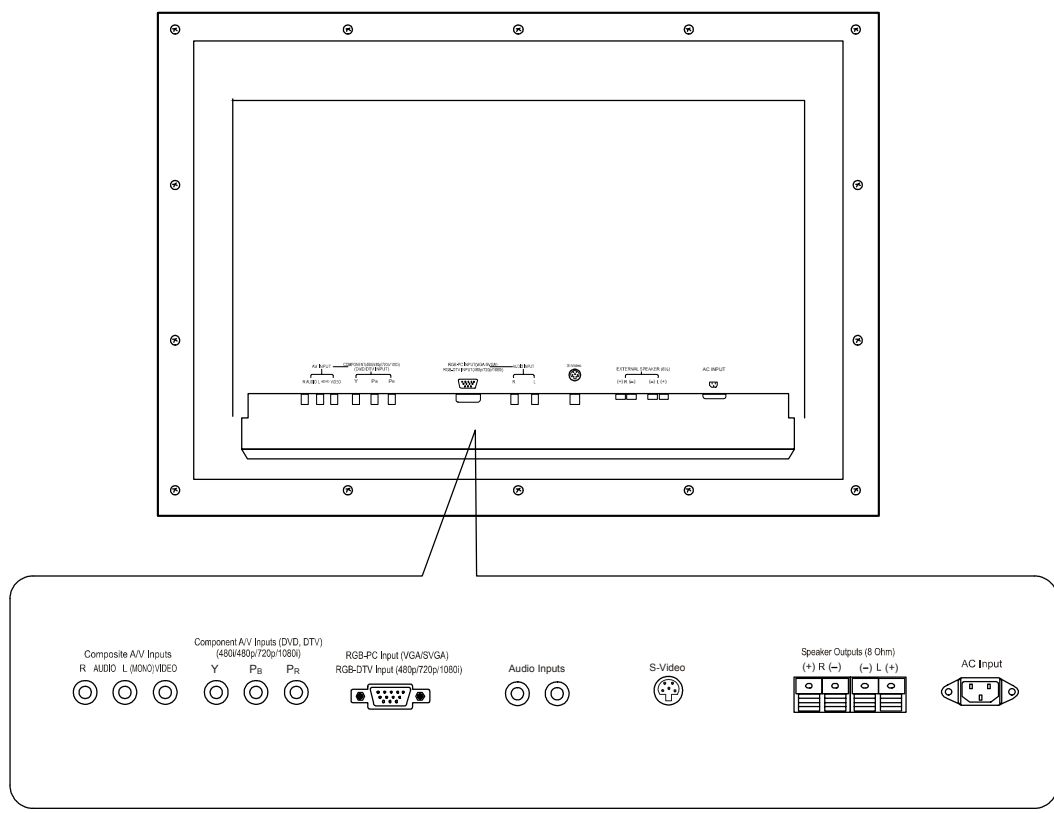
Temperature Range -20°C – 60°C
Humidity Range 20 – 80%
Altitude 2,000m
Operating Temperature -5°C – 45°C
UPC Code 04464200562 7

GENERAL INFO

FRONT

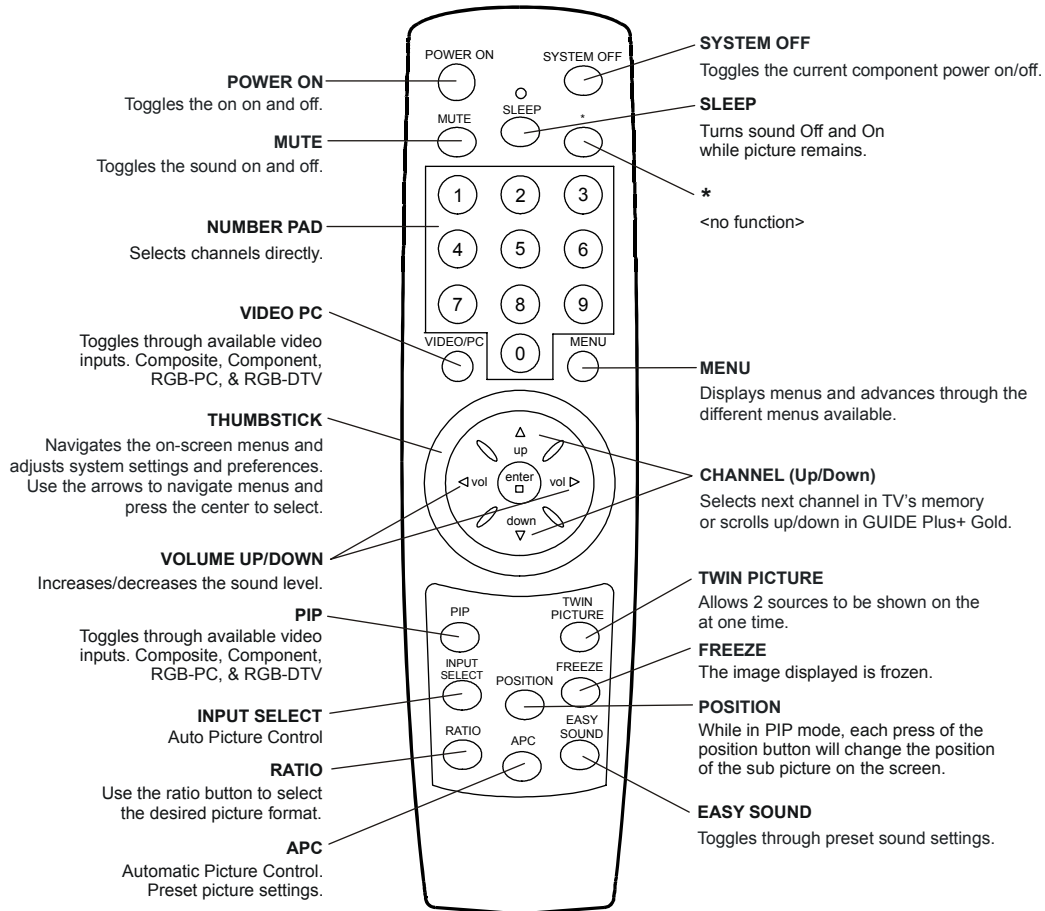


BACK



GENERAL INFO

REMOTE CONTROL



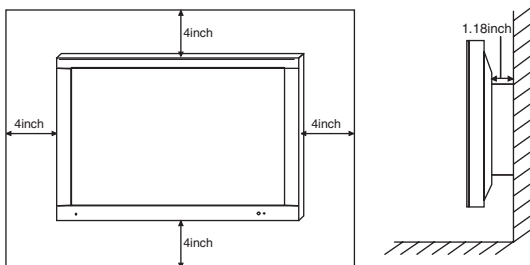
GENERAL INFO

INSTALLATION

It is recommended that this product only be used at an altitude of less than 6562 feet (2000m) to get the best quality picture and sound. This plasma display is designed to be mounted horizontally (wide viewing).

- Your P42W22, P42W22B models (Monitor) can be installed on a wall or on a desktop pedestal. Wall mount and stands are optional and not supplied with the monitor. (For further information, refer to the optional Tilt/Wall Mounting Bracket Installation and Setup Guide.)

Install this monitor only in a location where adequate ventilation is available. Minimum allowable clearances for adequate ventilation are show below.



CONNECTING A COMPUTER

Connect the video output of the PC to the Monitor RGB-PC INPUT (VGA/SVGA/XGA) RGB-DTV INPUT (480p/720p/1080i) using a standard shielded VGA cable. Connect the audio out from the PC to the Audio jacks on the Monitor (Audio cables are not included with the Monitor). Set the computer video output to SXGA (1280x1024) or lower resolution. If the video output of the PC is not compatible with the Monitor, no picture will appear on the Monitor (see chart).

Turn the PC on and press the ON/OFF button on the Monitor, to go to standby mode. Then press the button on the Monitor or press power on on the remote control. Use the video/pc button on the remote control to select the RGB source. To set up this monitor in a PC Windows environment, select Normal, Standard, or Default monitor. This monitor does not support Plug and Play function.

Note: Avoid prolonged display of a still image, as it may cause a permanent image to remain even after you change the image.

P60W26 Computer Video		
Resolution	Horizontal Frequency (KHz)	Vertical Frequency (KHz)
640x350	31.468	70.090
	37.861	85.080
720x400	31.469	70.080
	37.927	85.030
640x480	31.469	59.940
	35.000	66.660
	37.861	72.800
	37.500	75.000
	43.269	85.000
	45.913	90.030
	53.011	100.040
	64.062	120.000
800x600	35.156	56.250
	37.879	60.310
	48.077	72.180
	46.875	75.000
	53.674	85.060
	56.000	90.000
	64.016	100.000
832x624	49.725	74.550
1024x768	48.363	60.000
	56.476	70.060
	60.023	75.020
1280x720	68.677	84.990
	52.400	69.980
	54.348	60.050
	63.995	70.010
1152x864	67.500	75.000
	77.487	85.050
	68.681	75.060
1152x870	60.000	60.000
	75.000	75.000
1280x960	63.981	60.020
	79.976	75.020
1280x1024		

USER MENUS

USER MENUS

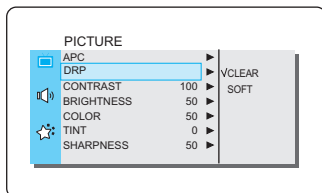
APC (AUTO PICTURE CONTROL)

APC is used to set the Monitor for the best picture appearance. Press the apc button. Use the APC or volume buttons to select the picture appearance setup. APC is not available in RGB or PIP mode.

Each press of vol buttons selects the menu option. Available options are select CLEAR, SOFT or USER. User refers to manual adjustments made to the picture menu options.

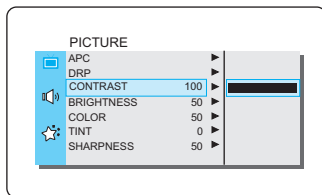
DRP (DIGITAL REALITY PICTURE)

DRP improves image outlines in dark screens. This feature works in both video and component 480i modes. Use the up/down button to select DRP and then press the volume up button. Use the up/down button to select CLEAR or SOFT. Press the enter button to exit.



PICTURE SETTINGS

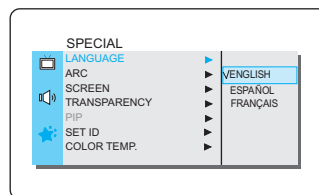
Adjusts BRIGHTNESS, COLOR, TINT, and SHARPNESS in the same way. Use the volume buttons to make appropriate adjustments and then press the enter button. Use the up/down buttons to select other menu options.



Note: PIP picture settings are not adjustable.

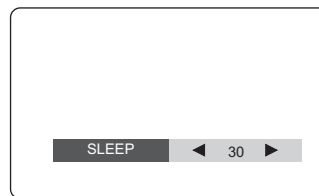
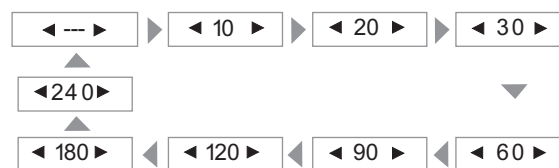
MENU LANGUAGE SETUP

Press the menu button and then use the volume up/down buttons to select the SPECIAL menu. Use the volume up/down button to select LANGUAGE and then press the volume up button. Use the volume up/down button to select the desired language. Press the enter button to exit.



SLEEP TIMER

Sleep Timer turns the set off after a preset time expires. Use the sleep button to set a sleep time. Each time you press the sleep button, the time setting time changes as follows:



To cancel sleep time setting, press the sleep or volume up/down button repeatedly to select. SLEEP 1 will be displayed one minute before the set is due to turn off.

Tips

- When the sleep time you want is displayed on the screen, don't press the sleep button. After 20 seconds, the screen display disappears and sleep time is set.
- To check remaining sleep time after setting, press the sleep or enter button just once.
- If the set is turned off after setting the sleep timer, the setting is erased. The sleep timer will then have to be set again.

STILL FUNCTION

Use with the A/V or COMPONENT video input sources. Press the freeze button. The image displayed is frozen (stilled). In PIP mode, the sub (inset) picture is frozen. To return to normal viewing, press the freeze button again. This feature isn't available for RGB input source.

USER MENUS

Tips

- If a still picture is on the screen for more than 5 minutes, the image becomes dark. This is a protective feature designed to lessen the chance of a ghost image burning onto the monitor screen. If another function is activated, normal screen brightness is restored. This feature isn't available for RGB input source.

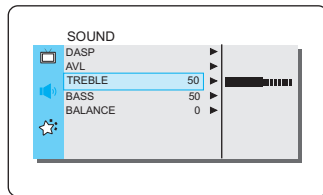
SCREEN

Use this option to correct trembling or instability of a videotape image. Use the volume buttons to select SCREEN and then press the volume up button. Use the volume buttons to select TV or VCR.

Select the VCR option if watching a VCR. Select the TV option for other equipment. Each time you press the up/down button you toggle between TV and VCR. Press the enter button to exit.

TRANSPARENCY

To make the menu backgrounds clear or opaque. Press the menu button and then use the up/down button to select SPECIAL menu. Use the up/down button to select TRANSPARENCY and then press the volume up button.



Use the volume buttons to adjust OSD transparency. The TRANSPARENCY adjustment range is 1 ~ 4. Press the enter button to exit.

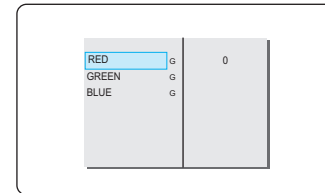
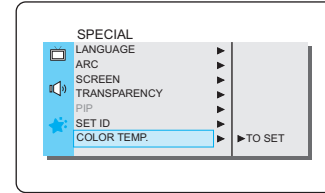
SET ID

Use Set ID to specify a monitor identification number. Press the menu button and then use the up/down button to select the SPECIAL menu. Press the vol (G) button.

Use the up/down buttons to select SET ID and then press the volume up button. Use the volume button to adjust SET ID to choose a desired monitor ID number. The adjustment range for SET ID is 1 ~ 99.

COLOR TEMPERATURE

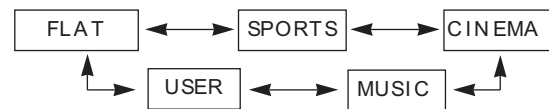
Press the up/down button to select COLOR TEMP. and then press the volume up button. Press the up/down button to select RED and then press the volume up button (to adjust RED setting). Adjust GREEN and BLUE in the same way.



DASP (DIGITAL AUTO SOUND PROCESSING)

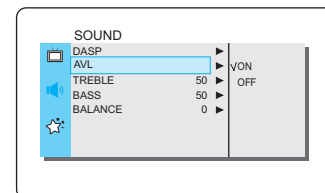
Automatic sound adjustment setting. The set automatically selects the appropriate audio tone levels based on the program content. Press the easy sound button. Use the easy sound or volume buttons to select a sound setup.

Each press of easy sound or vol buttons changes menu option as shown below.



AVL (AUTO VOLUME LEVELER)

This feature maintains an equal volume level, even when changing channels. Use the up/down button to select AVL and then press the volume up button. Use the up/down button to select ON or OFF. Press the enter button to exit.



Use the volume button to make appropriate adjustments and then press the enter button. The adjustment range of RED, GREEN, and BLUE is -5 to +5.

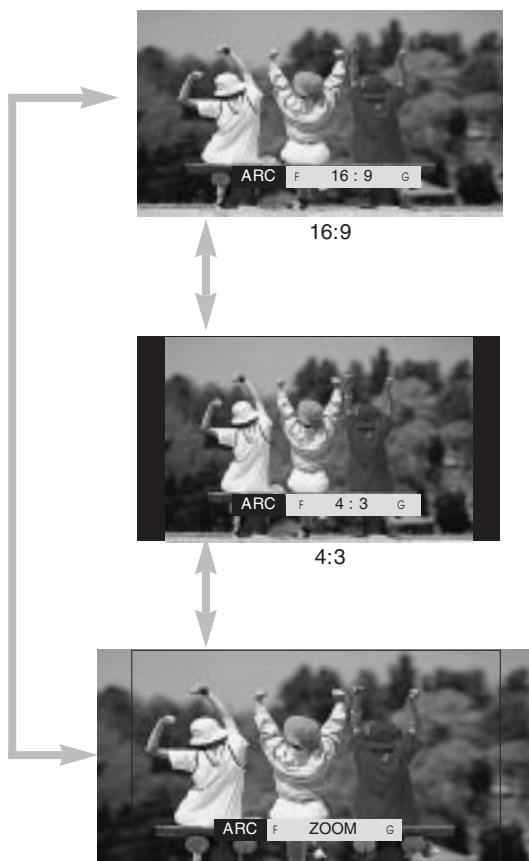
ADJUSTING SOUND

Manual sound adjustments. Use the up/down buttons to select TREBLE and then press the volume up button. Adjust BASS and BALANCE in the same way. Use the volume buttons to make appropriate adjustments and then press the enter button to exit. Use the up/down buttons to select other options.

USER MENUS

PICTURE FORMAT

Use the ratio button to select the desired picture format. Each time you press ratio or volume buttons, you cycle through 16:9, 4:3, and ZOOM. With RGB-PC as the source, you can select either 16:9 or 4:3 screen aspect ratios. With the RGB-DTV source, you can select the 16:9 screen aspect ratio. If 4:3 mode is used for a long time, the outline of the image may remain on the screen after you change to the 16:9 screen aspect ratio. Don't display 4:3 picture format for more than 10 hours continuously. You can also select 16:9, 4:3, or ZOOM options using the SPECIAL menu.



SERVICING

ADJUSTMENT INSTRUCTIONS

These instructions are applied to all of the PDP monitor, NP-00KB.

Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instruments. Adjustment must be done in the correct order. If there is no specific designation, the adjustment must be performed at $25\pm 5^{\circ}\text{C}$ of temperature and $65\pm 10\%$ of relative humidity.

The input voltage of the receiver must maintain 110~240V, 50/60Hz while adjusting. Operate the receiver for about 15 minutes prior to the adjustment with 100% white pattern (06CH). (Or white condition in HEAT-RUN mode)

Enter into HEAT-RUN mode. Select the 2 W/B by pressing ADJ button on Remote Control for adjustment. And press the VOL + button. Press the VOL + button in HEAT-RUN. (OSD display HEAT-RUN WHITE and screen display 100% full WHITE PATTERN). Set is activated HEAT-RUN without signal generator in this mode. Single color pattern of HEAT-RUN mode uses to check the PANEL. (RED/BLUE/GREEN)

Caution: If you turn on a still screen more than 20 minutes, an afterimage may occur in the black level part of the screen.

POWER PCB ASSY VOLTAGE ADJUSTMENT

After replacing the PDP Module or Power Board, adjust the Power PCB Assy voltage.

TEST EQUIPMENT

D.M.M 1EA

CONNECTION DIAGRAM

Refer to Fig 1.

ADJUSTMENT METHOD

PFC ADJUSTMENT

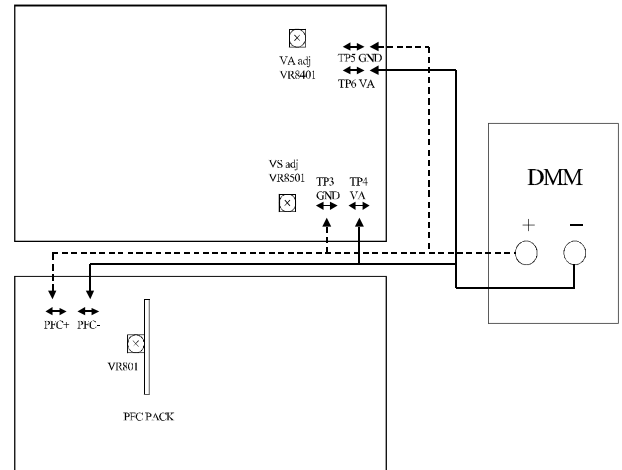
After displaying the 100% white pattern (HEAT-RUN). Connect TP PFC+ and TP PFC-(GND) to D.M.M. Turning VR801, adjust to 380V($\pm 1\text{V}$).

VA ADJUSTMENT

Connect pin 1 of P814 to (+) jack of D.M.M. After turning the VR803(Va Adj), voltage of D.M.M adjustment as same as Va voltage which on label of panel Left/Top. (Deviation : $\pm 0.5\text{V}$).

VS ADJUSTMENT

Connect pin 9 of P803 to (+) jack of D.M.M. After turning the VR804(Vs Adj), voltage of D.M.M adjust as same as Vs voltage which indicated on label of panel Left/Top (Deviation : $\pm 0.5\text{V}$).

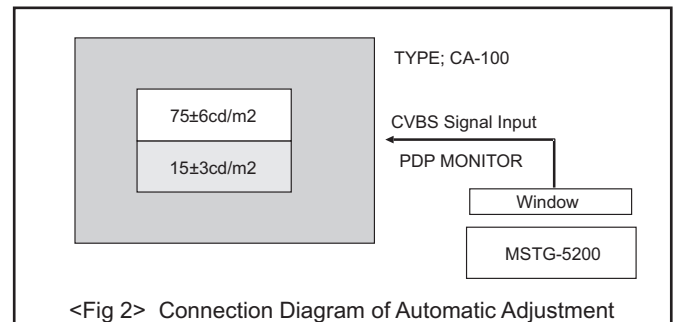


<Fig 1> Connection Diagram of Power Adjustment for Measuring

ADJUSTMENT WHITE BALANCE

REQUIRED EQUIPMENT

Color analyzer(CA-100 or same production)



<Fig 2> Connection Diagram of Automatic Adjustment

WHITE BALANCE ADJUSTMENT

Operate the Zero-calibration of the CA100, then place the sensor to the PDP module surface when you adjust. Manual adjustment is also possible by the following sequence.

- (1) Select the WHITE PATTERN of HEAT RUN mode by pressing the ADJ button on Remote Control for adjustment, then operate HEAT RUN more than 15 minutes.
- (2) Supply 10 step gray scale bar signal in pattern generator. (A/V Input)

SERVICING

(3) To adjust Low Light, place the sensor to the ninth pattern (Dark). Then select the W/B by pressing the ADJ button on the remote or adjustment and press the VOL + button to enter Adjustment Mode. Select the G cut and B cut, press the VOL +/- Key and adjust it until color coordination becomes (R cut fixation):

color coordination : $X=0.283\pm0.005$, $Y=0.295\pm0.005$

color temperature : $9,600\text{cK} \pm 500\text{cK}$

(4) To adjust High Light, place the sensor on the second pattern (White), select the W/B by pressing ADJ button on Remote Control for adjustment and press the VOL + button enter Adjustment Mode. After select the R GAIN and G GAIN, press the VOL +/- Key and adjust it until color coordination becomes (B GAIN fixation)

color coordination : $X=0.283\pm0.005$, $Y=0.295\pm0.005$

color temperature : $9,600\text{cK} \pm 500\text{cK}$

(5) Confirm the result of the High Light adjustment. If the deviation of High Light occurs, operate the adjustment of Low Light and High Light again.

(6) Exit adjustment mode using Enter button.

SERVICING

SERVICE MENU

Service Menu Adjustments for Plasma Display

Once the Main Video Scan Converter module is installed, the unit will power on as soon as A/C is applied. The EEPROM data will be set to Factory default values.

The following charts and instructions will allow you to set access the service menu and make any necessary adjustments during the repair and installation of the PDP. **Adjustments must be done in both NTSC/PC and DTV Modes**

If the unit will power on prior to the replacement of this Module and the menus can be accessed it recommended that the servicer access the service menu and record the data from the original EEPROM.

The Service Remote, which is provided with the service kit, must be used to access the service menu.

Equipment Needed:

NTSC Pattern Generator

DTV Pattern Generator.

INITIAL SETTINGS

1. Press (POWER ON) key
2. Press (ADJ) key.
3. Scroll down to (OPTION) item.
4. Press right arrow to enter (OPTION) menu.
5. Scroll down to (REMOCON) item.
6. Use (RIGHT) and (LEFT) keys to change to ZENITH.
7. Press (ENTER) to lock changes in memory.

Option	1	2	3	4	5
System	NTSC	NTSC	3Sys	3Sys	3Sys
Remocon	NEC	Zenith	NEC	NEC	NEC
Language	Korean	ENG	Portugal	Espanol	ENG
50/60	60	60	60	60	60

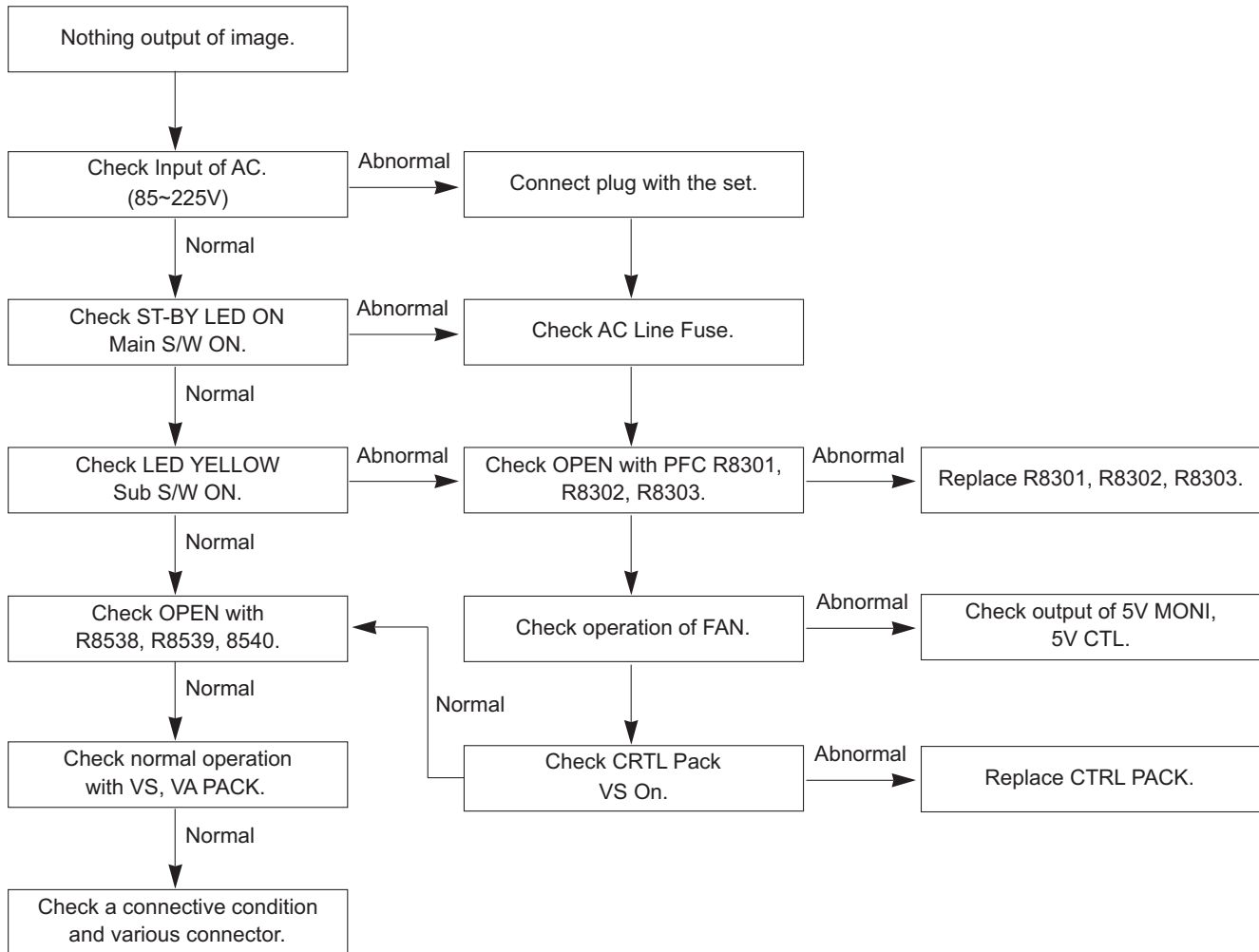
ADJUSTMENTS

1. The following menu can be accessed with the unit off by pressing (POWER ON).
2. Press (ADJ) key.
3. Use the (UP and DOWN) keys to select the sub-menu you wish too access.
4. Press the (RIGHT) adjust key to access the menu.
5. The (UP and DOWN) will again access the line item you wish to adjust.
6. The (RIGHT and LEFT) keys will change the setting.
7. ENTER will record the new settings.

1 ADJ	PHASE	30
2 W/B	H-PHASE	195
3 CXA2101 ADJ	V-PHASE	34
4 OPTION 2	EEPROM INIT	
	HEAT RUN	OFF
	AUTO CUTOFF	1
	R-CUT	22
	G-CUT	11
	B-CUT	23
	R-GAIN	14
	G-GAIN	13
	B-GAIN	13
	CXA2101	
	0 BCUT	7
	1 RCUT	7
	2 R-GAIN	0
	3 G-GAIN	0
	4 B-GAIN	0
	5 S CONTRAST	0
	6 S BRIGHT	44
	7 S-COL	7
	8 S-TINT	7
	9 S-SHARP	3
	10 CTI-LEVEL	0
	11 R-Y/R	6
	12 G-Y/R	10
	13 R-Y/B	9
	14 G-Y/B	5
	15 GAMMA	7
	16 LTI-LEV	0
	17 PRE/OVER	1
	18 DC-TRAN	0
	19 D-PIC	2
	20 V-TC	1
	21 H-WIDTH	3
	22 D-COL	1
	23 HD-TC	0
	24 SHP-FO	1

SERVICING

No Video

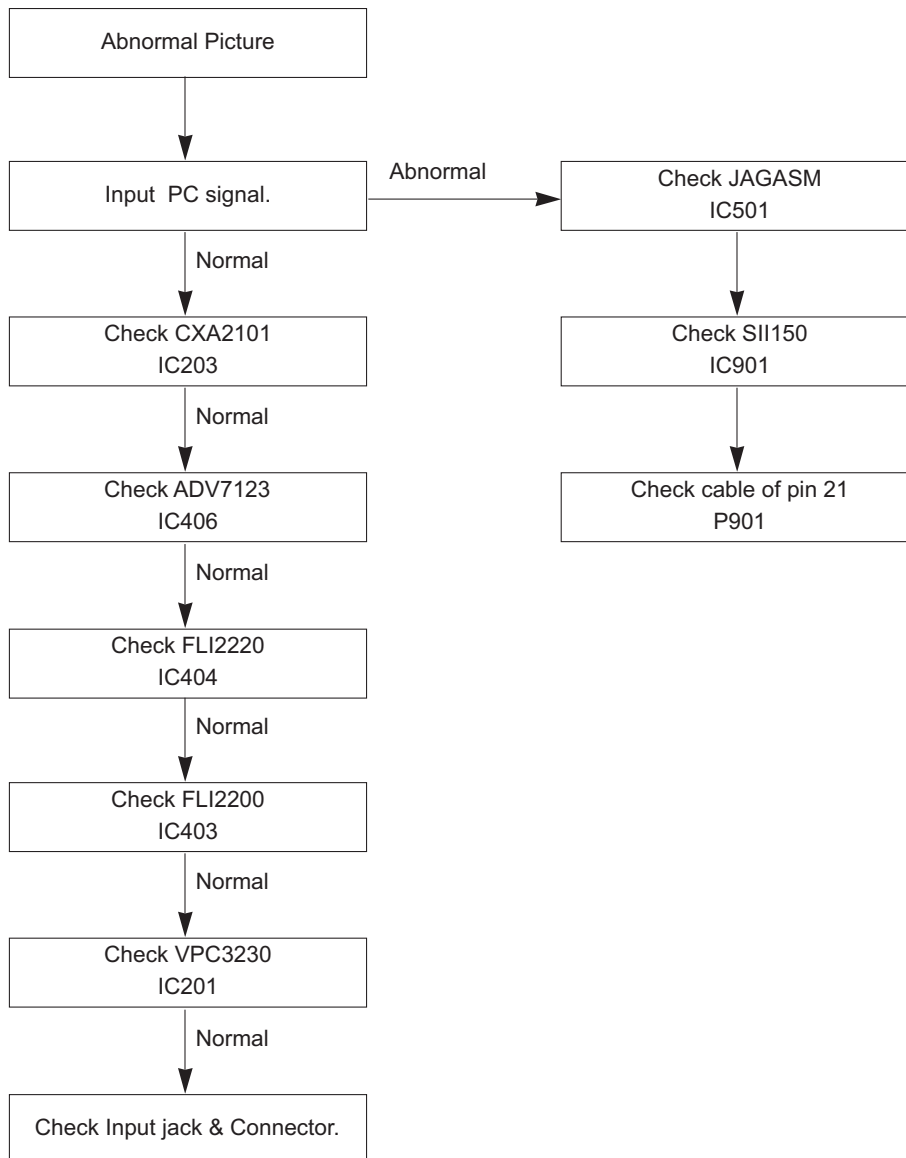


No Power

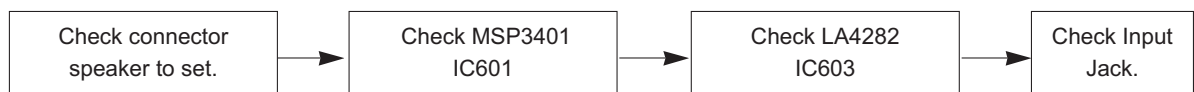


SERVICING

Abnormal Picture



No Sound



PARTS

MODEL PARTS

All FC models are module level repair only. Parts contact information is below.

Voice: 1-888-3-ZENITH

Fax: 1-888-6-ZENITH

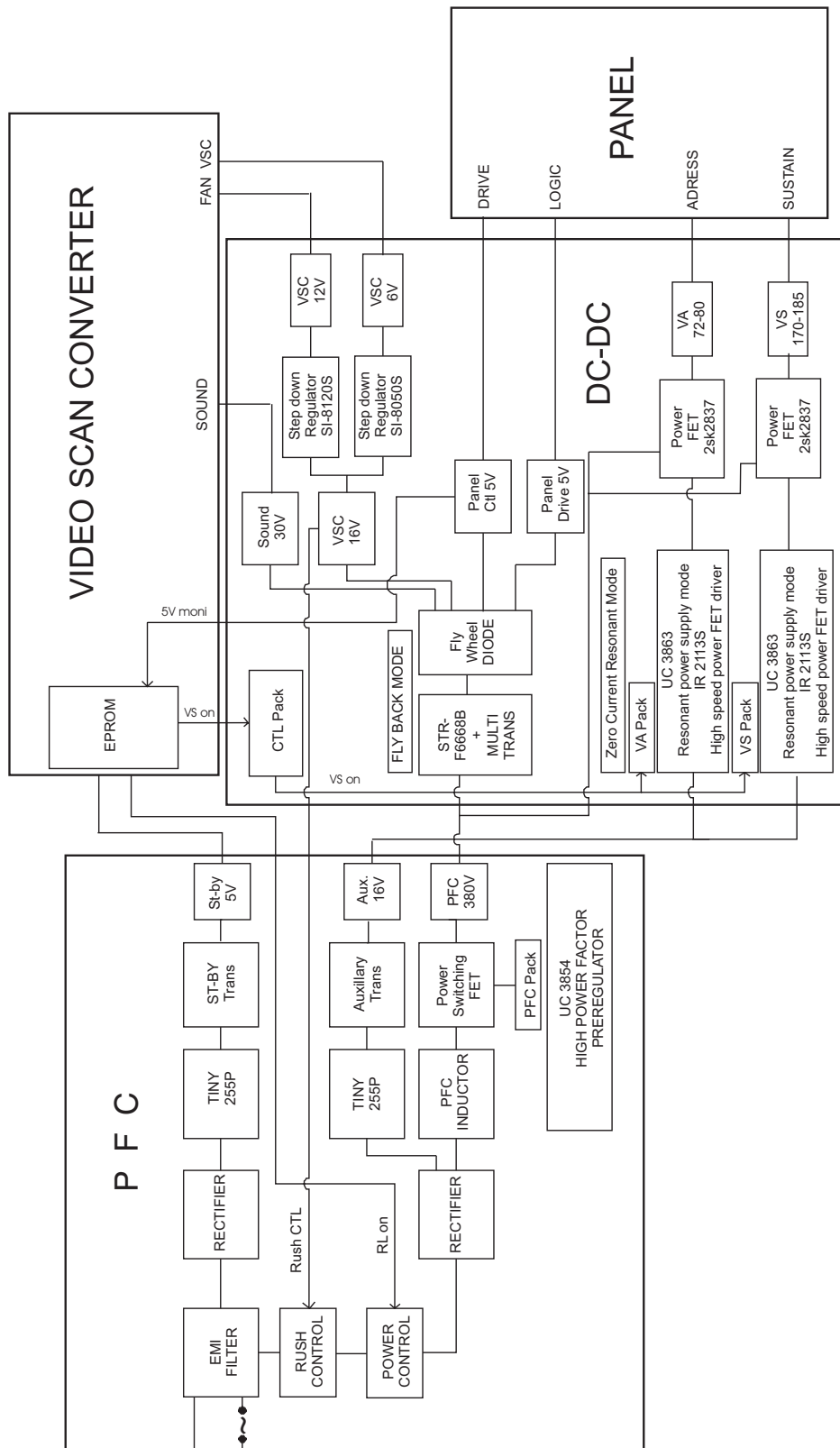
Mail: Zenith National Parts
201 James Record Road
Huntsville, AL 35824-1513

P60W26

No.	Part No.	Description
101	5900V08004A	FAN,DC F8025L12B2-RG 80MM 1
200	6348Q-B032D	PDP,60 16:9 1280*720 FOR DND INTE
201	6871QRH015B	PCB ASSEMBLY,XRRT ASSY 60HD4(X
202	6871QTH021A	PCB ASSEMBLY,ZCNT ASSY 60HD4 2
203	6871QZH018B	PCB ASSEMBLY,ZSUS ASSY 60HD4(Z_
204	6871QTH022A	PCB ASSEMBLY,ZCNT ASSY 60HD4 2L
205	6871QRH014B	PCB ASSEMBLY,XRRT ASSY 60HD4(X
206	6871QXH009B	PCB ASSEMBLY,XRCT ASSY 60HD4 4L
207	6871QLH016B	PCB ASSEMBLY,XRLT ASSY 60HD4(X
208	6871QDH028B	PCB ASSEMBLY,YDRV ASSY 60HD4 4L
209	6871QYH017B	PCB ASSEMBLY,YSUS ASSY 60HD4 4L
210	6871QDH027B	PCB ASSEMBLY,YDRV ASSY 60HD4 (T
211	6871QLH017B	PCB ASSEMBLY,XRLT ASSY 60HD4(X
212	6871QXH008B	PCB ASSEMBLY,XRCT ASSY 4LAYER(T
213	6871QCH012B	PCB ASSEMBLY,CTRL ASSY 60HD4 1C
214	6871QPH001B	PCB ASSEMBLY,DCDC ASSY 60HD4
300	3091V00287E	CABINET ASSY,MU-60PZ10 ZENITH LIGHT SILVER
301	4980V00142B	SUPPORTER,FILTER TOP LEFT FD-60X3
302	4980V00142A	SUPPORTER,FILTER TOP RIGHT FD- 60X3
303	4980V00143B	SUPPORTER,FILTER BOTTOM LEFT FD- 60X3
304	4980V00143A	SUPPORTER,FILTER BOTTOM RIGHT FD- 60X3
305	3790V00267B	WINDOW,H04PR-LGE60-02 FD60X3R FIBER M
306	4980V00141A	SUPPORTER,FILTER R/LEFT FD-60X3
310	5020V00437A	BUTTON,4KEY FD-60X3
330	5020V00436A	BUTTON,FD-60X3
331	3141VSN122B	CHASSIS ASSEMBLY,SUB POWER SWITCH
400	3809V00280C	BACK COVER ASSEMBLY,MN-60PZ12 3808V00203A
401	3300V00067P	PLATE,REAR A/V MU-60PZ11
520	6871VMM992A	PCB ASSEMBLY,MAIN MAIN VER.2 VSC N
530	6871VPM992A	PCB ASSEMBLY,SMPS PFC V.2
540	6871VPM991A	PCB ASSEMBLY,SMPS POWER V.2
550	6871VSM677A	PCB ASSEMBLY,CONT CONTROL
560	3141VSN195A	CHASSIS ASSEMBLY,SUB LINE FILTER ASSY

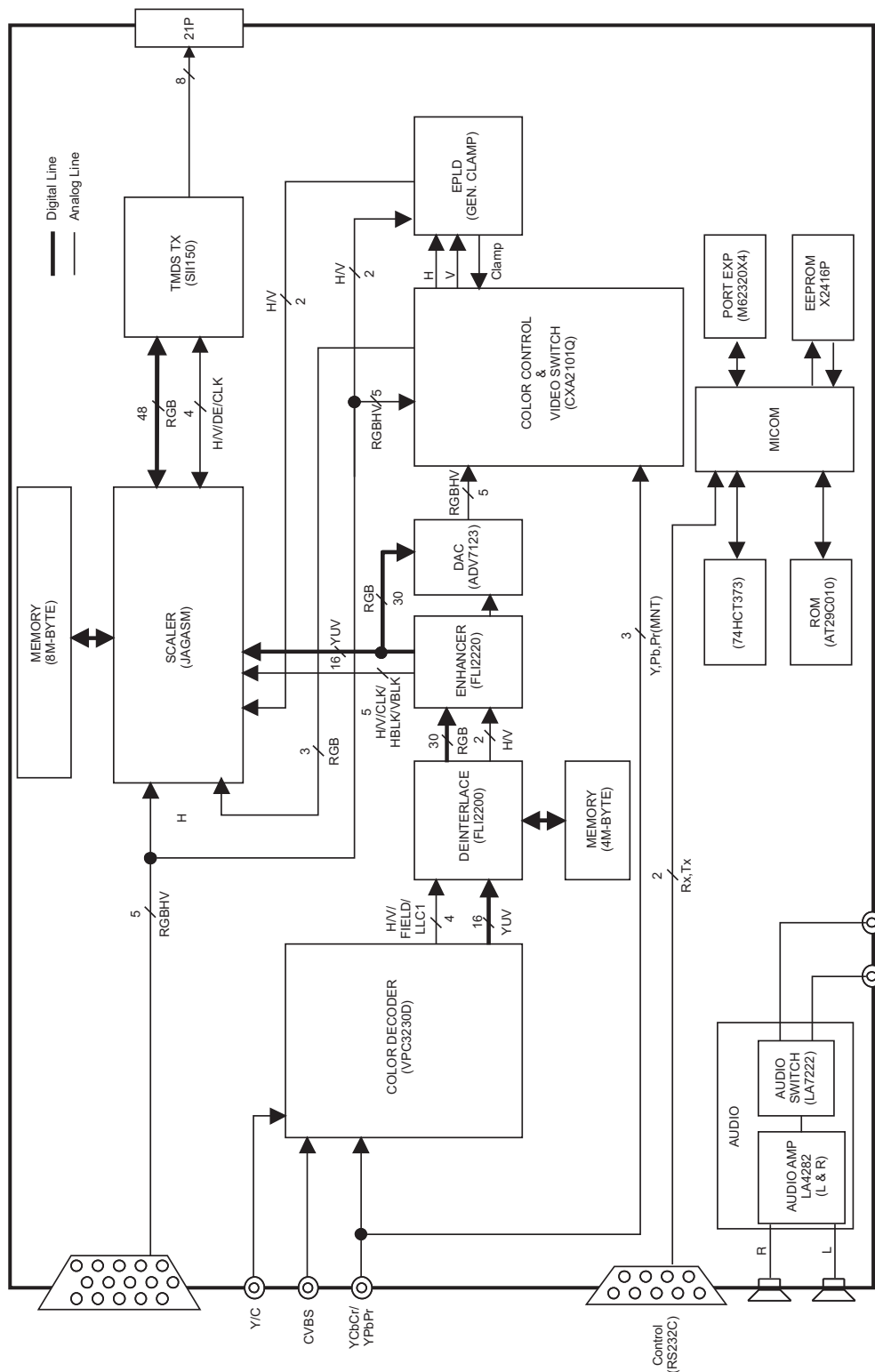
580	6871VSMB46A	PCB ASSEMBLY,SUB VER.2 PFC PACK
590	6871VSM668A	PCB ASSEMBLY,POWER VA M/I
600	6871VSM669A	PCB ASSEMBLY,POWER VS M/I
610	6871VSM670A	PCB ASSEMBLY,POWER CONTROL
620	6871VSM676B	PCB ASSEMBLY,SUB SIDE A/V
630	6871VSMC90A	PCB ASSEMBLY,A/V VER2 INTERFACE BD
640	6871VSMB57A	PCB ASSEMBLY,SUB VER.2 FAN CONTRO

POWER BLOCK DIAGRAM



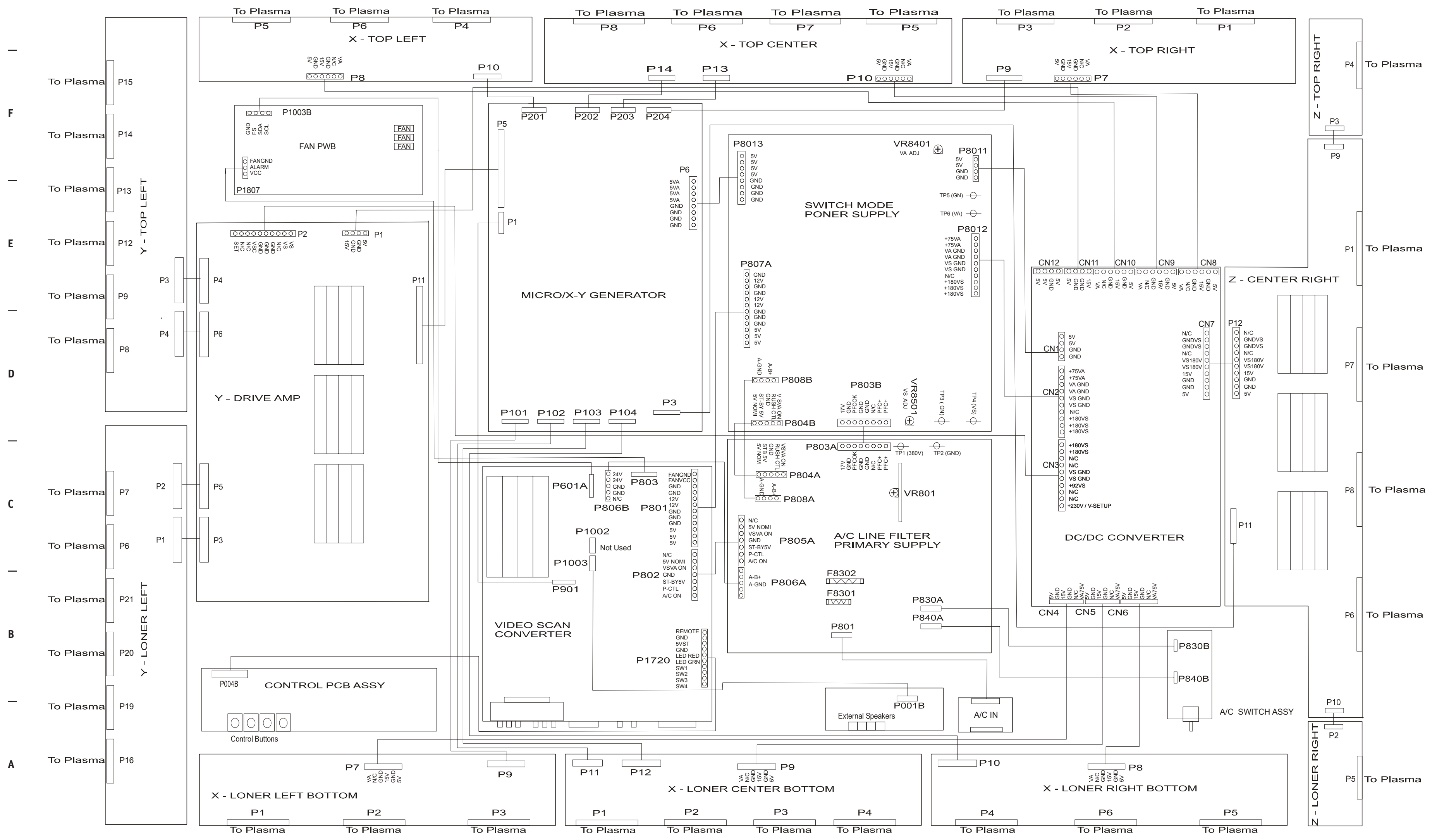
DIAGRAMS

VSC BLOCK DIAGRAM



zenith 

G



SMPS Circuit

1

2

3

4

5

6

7

8

9

10

G

F

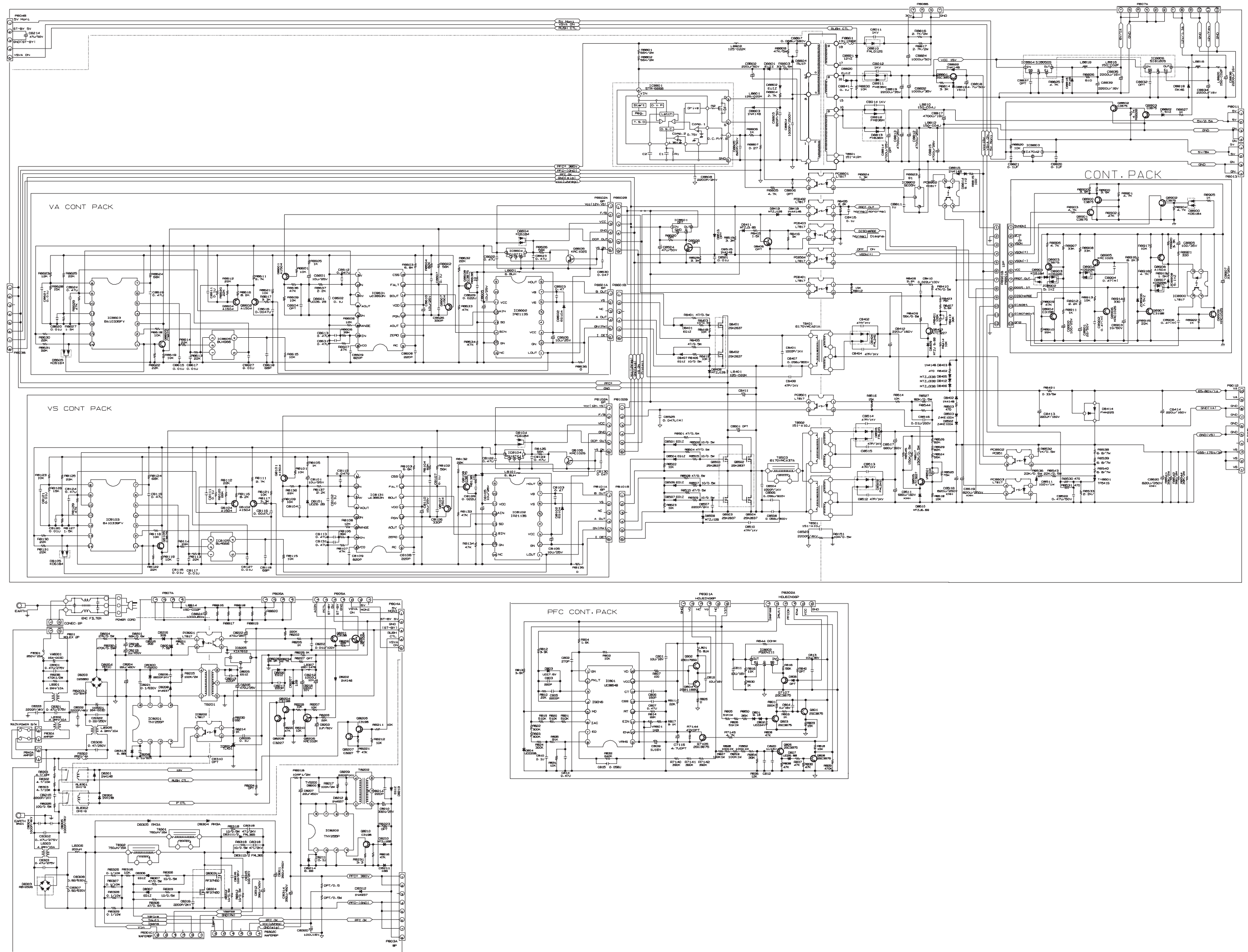
E

D

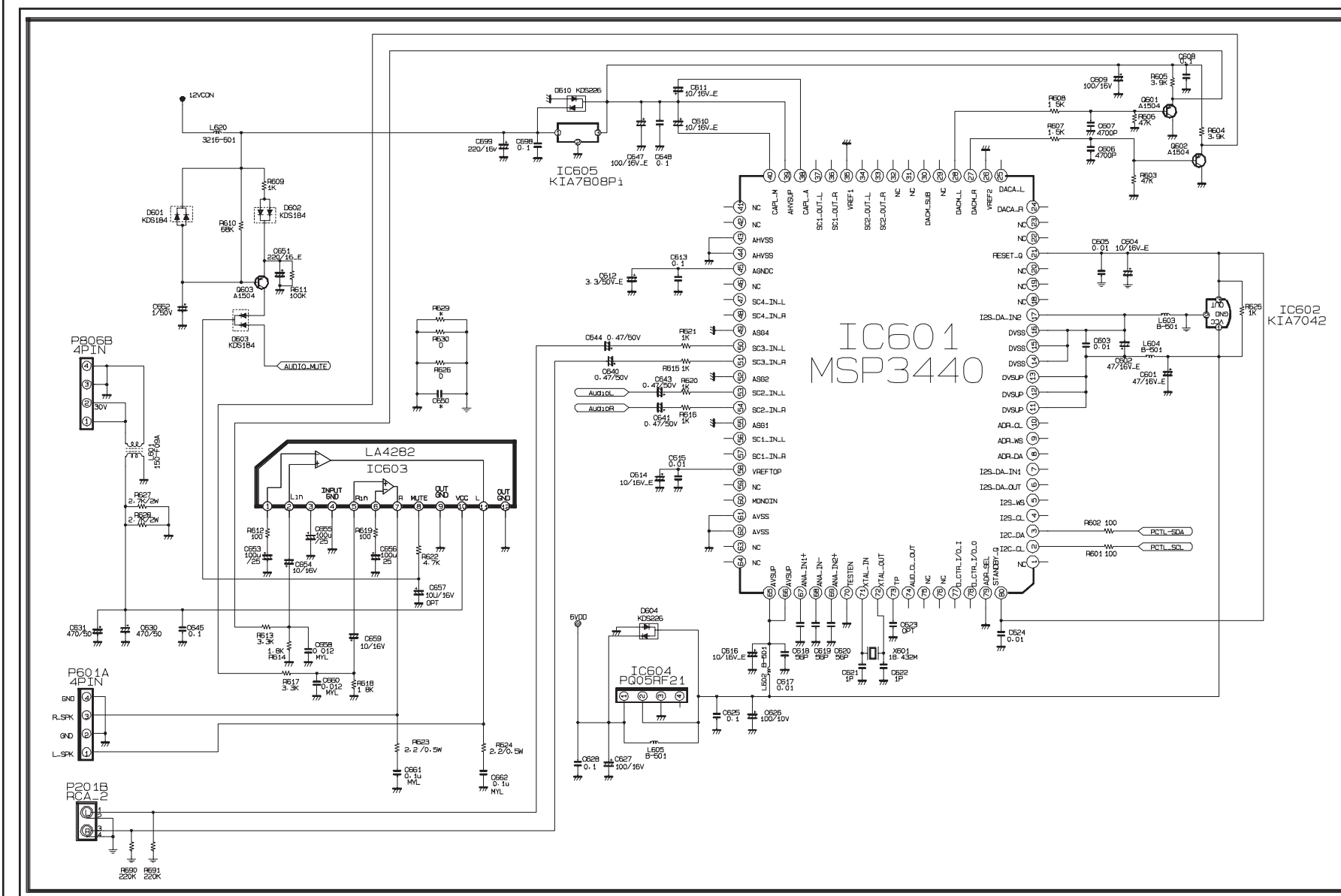
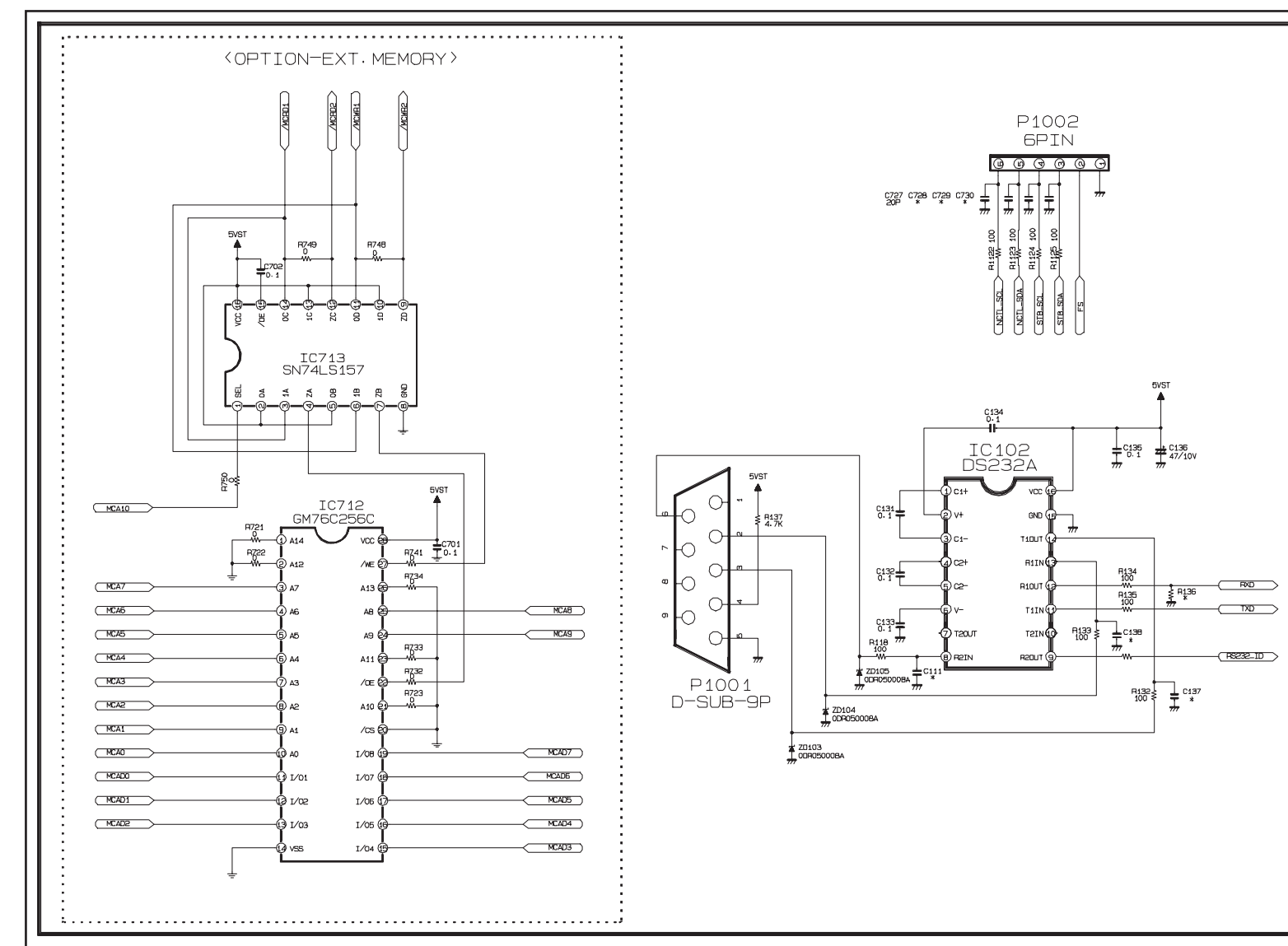
C

B

A



1	2	3	4	5	6	7	8	9	10
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Video/Scan Converter Circuit 3/3

G

F

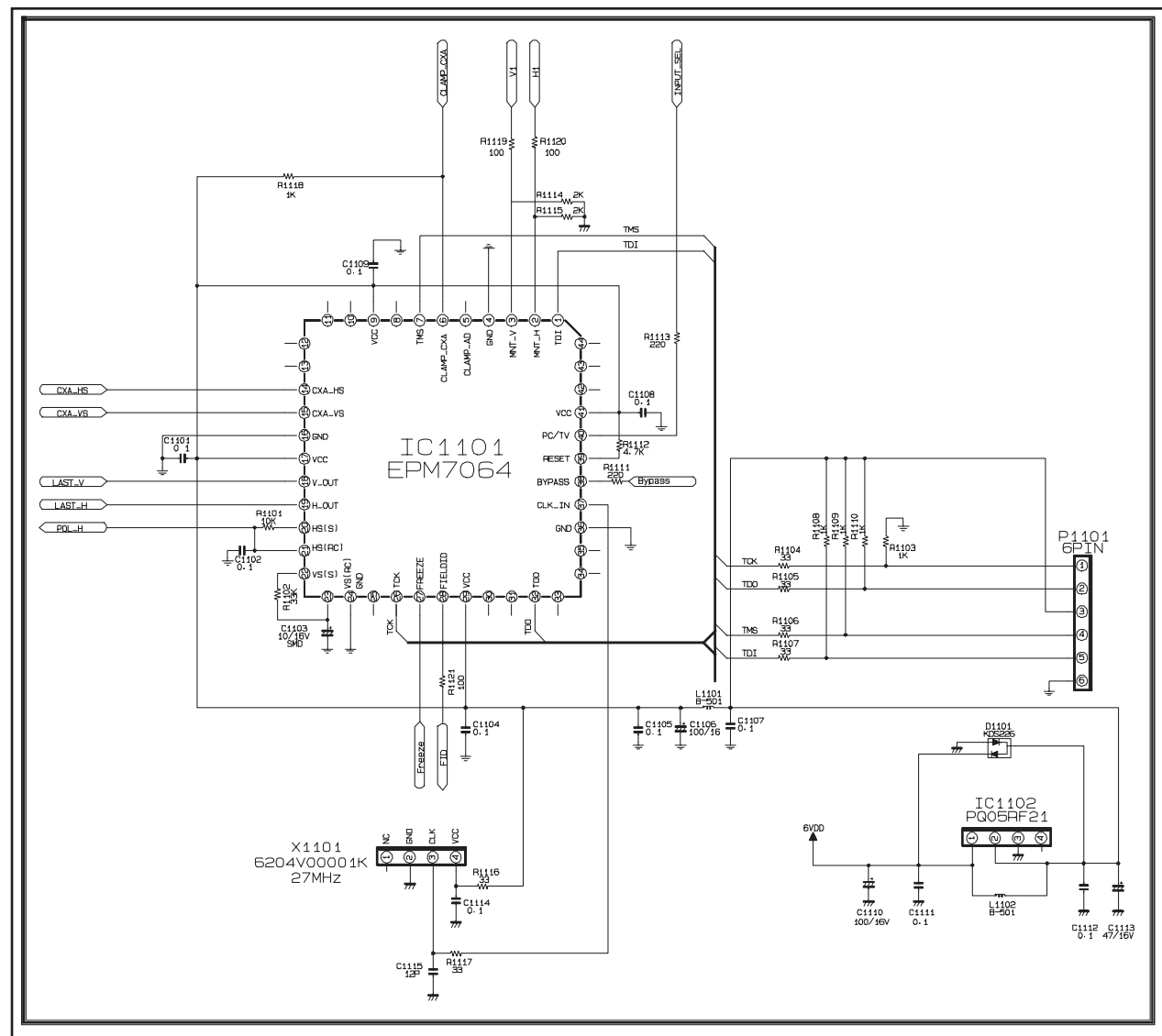
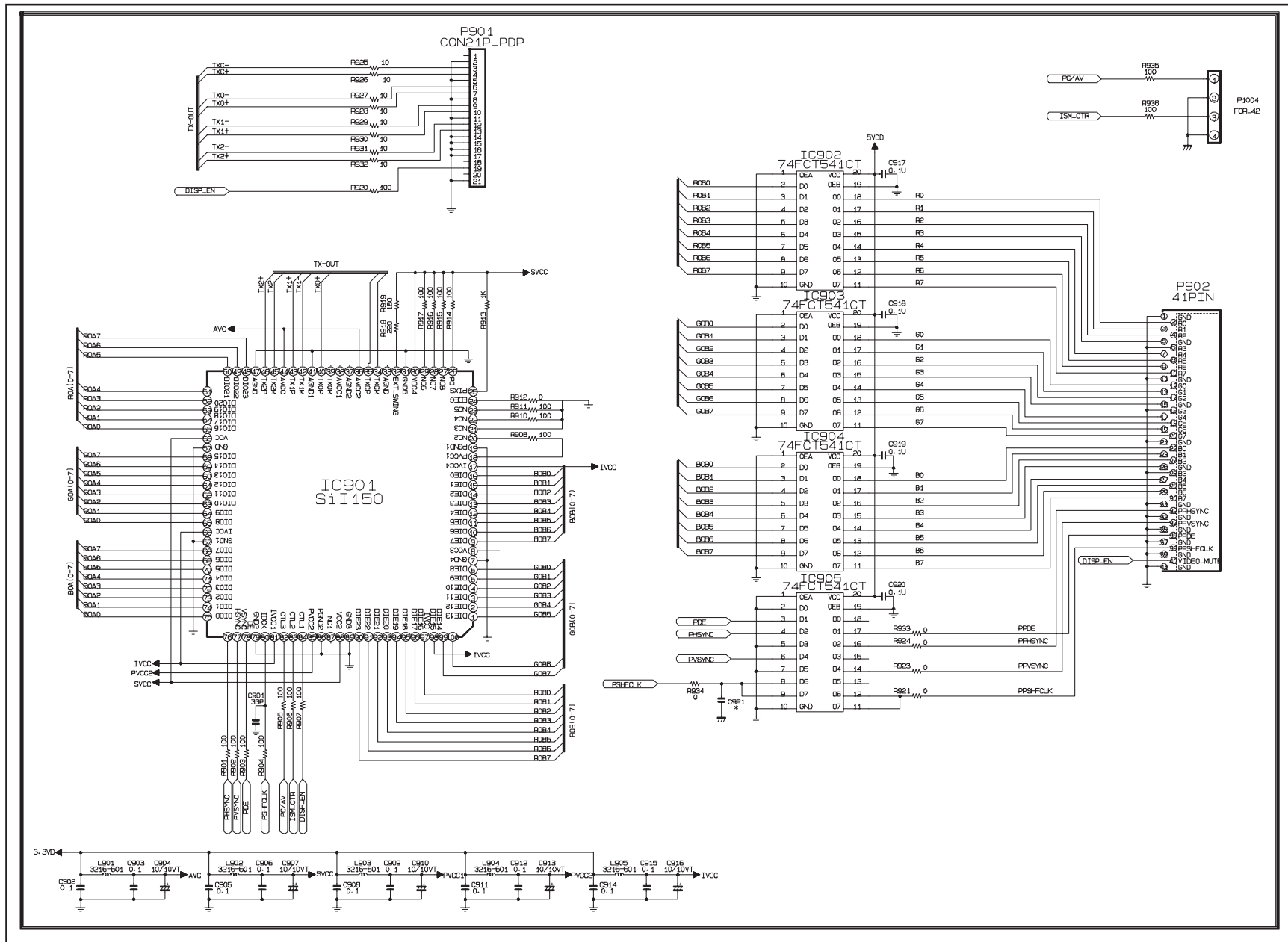
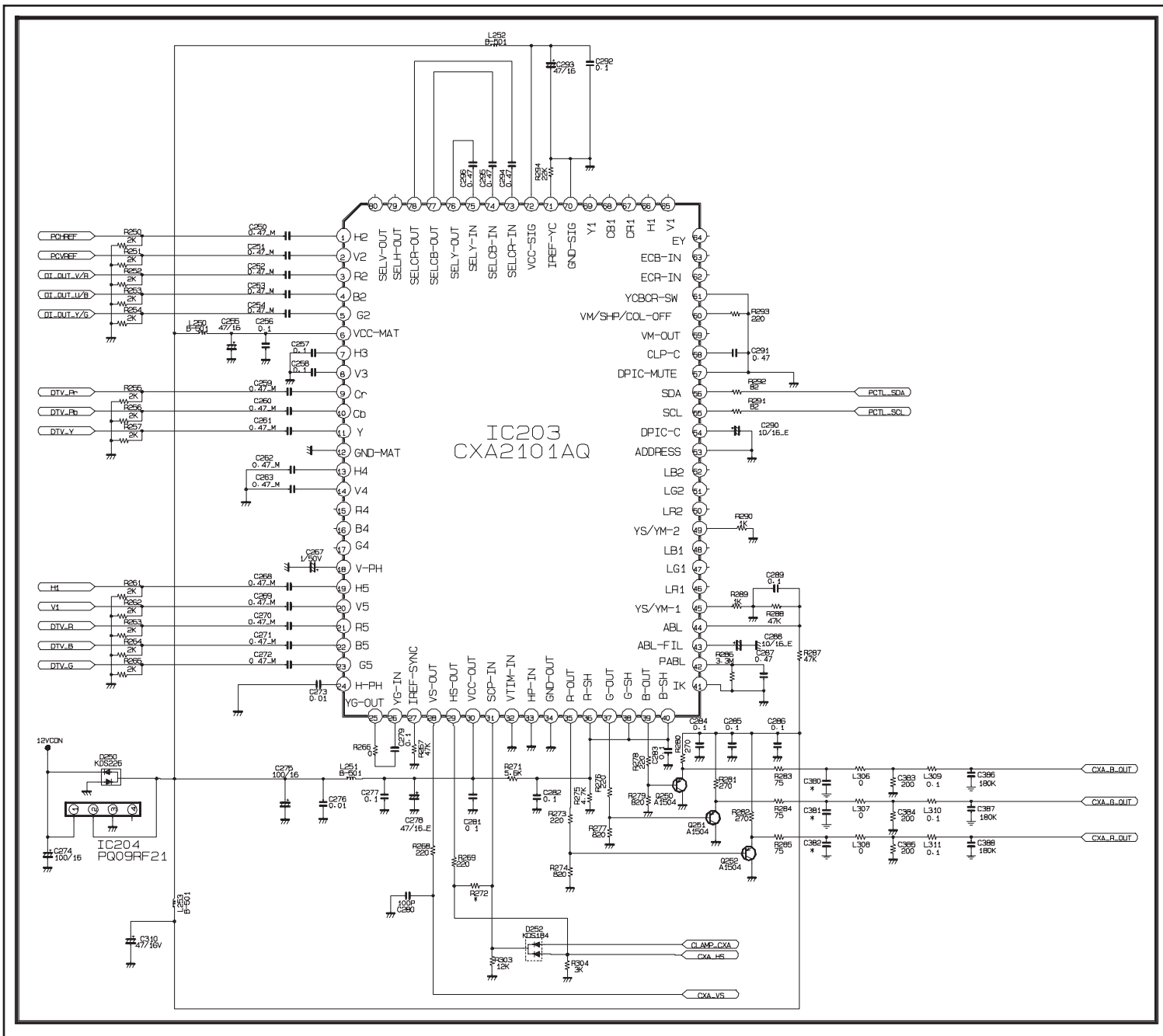
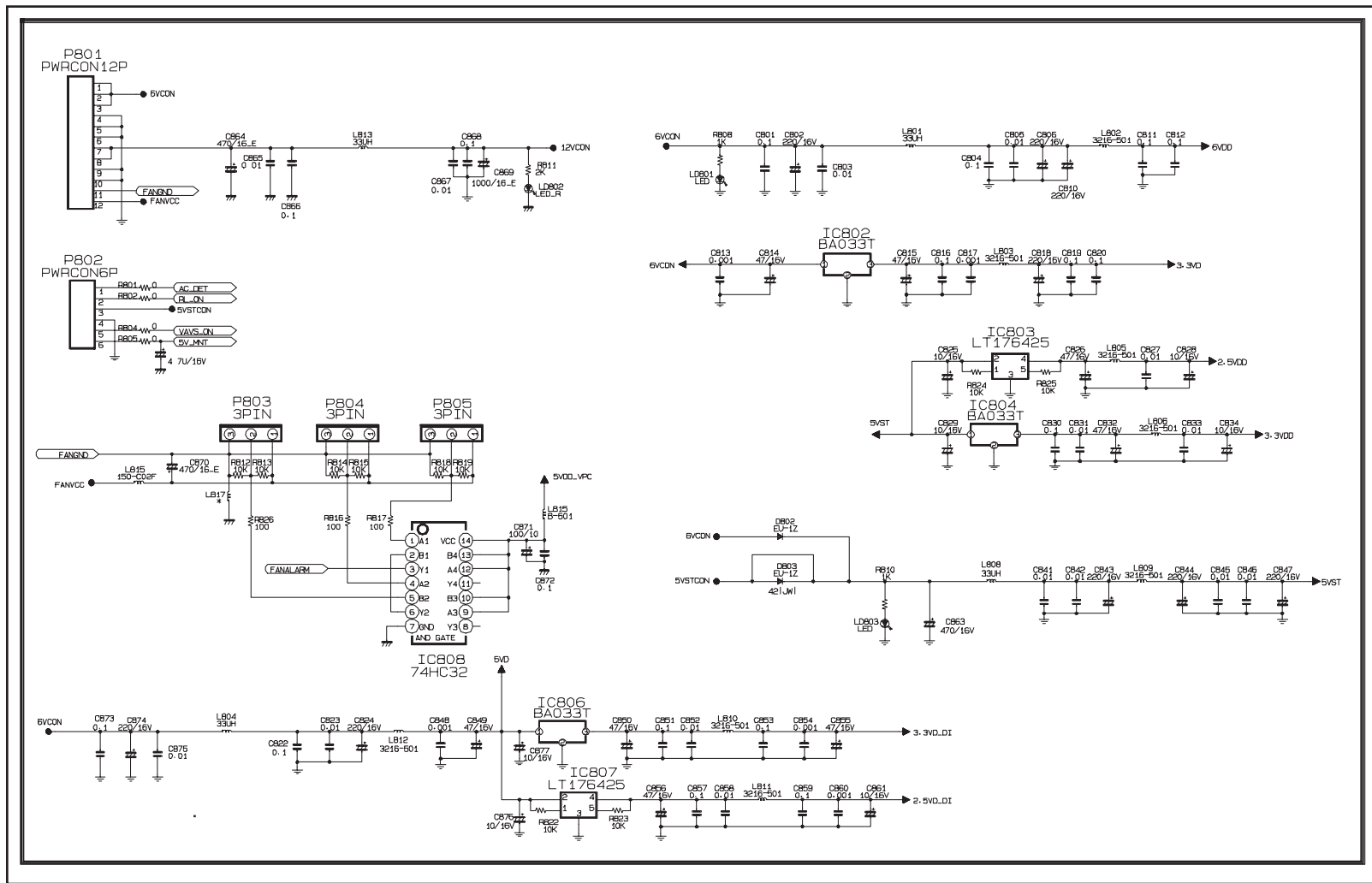
E

D

C

B

A



1	2	3	4	5	6	7	8	9	10
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G

F

E

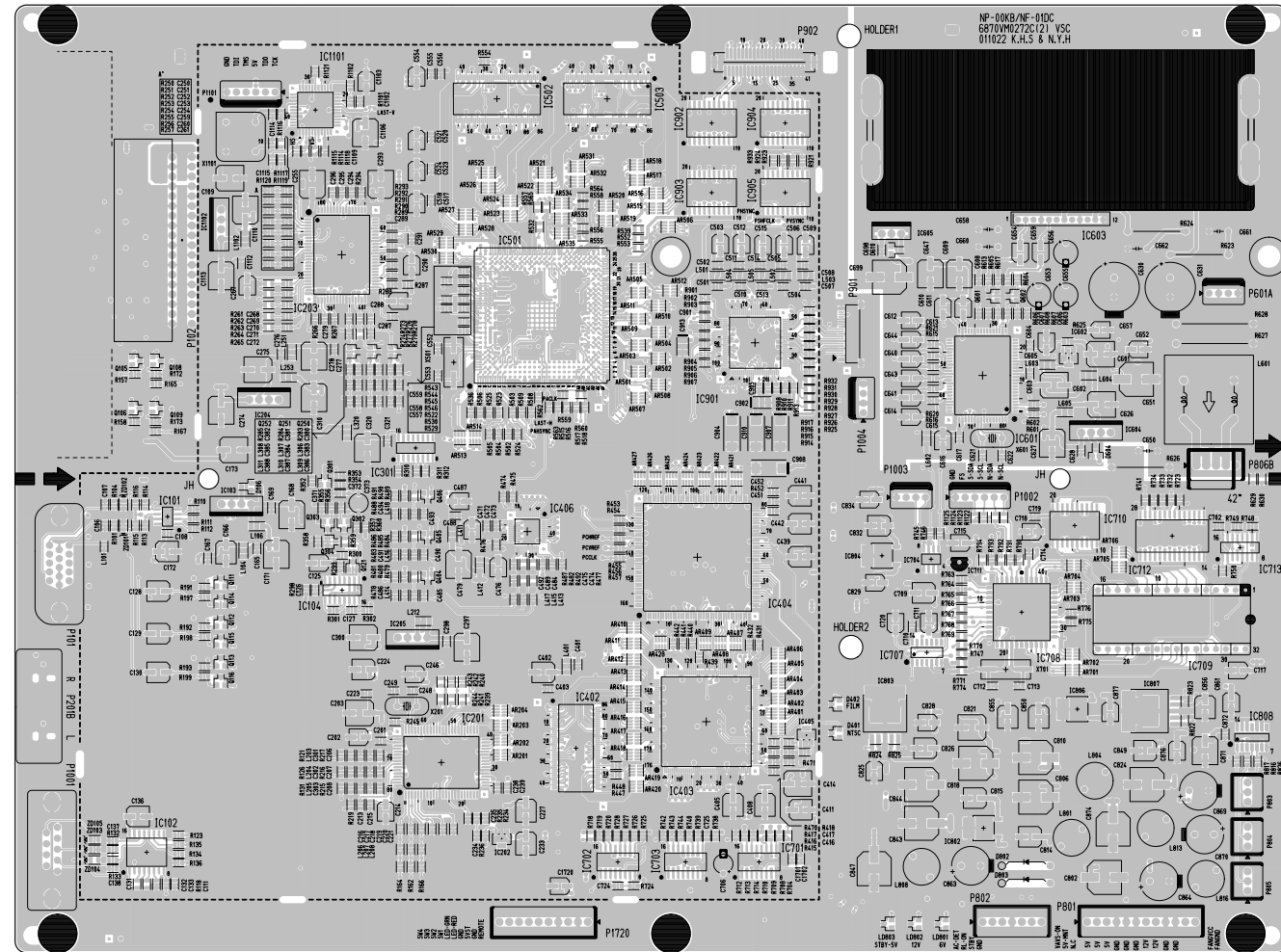
D

C

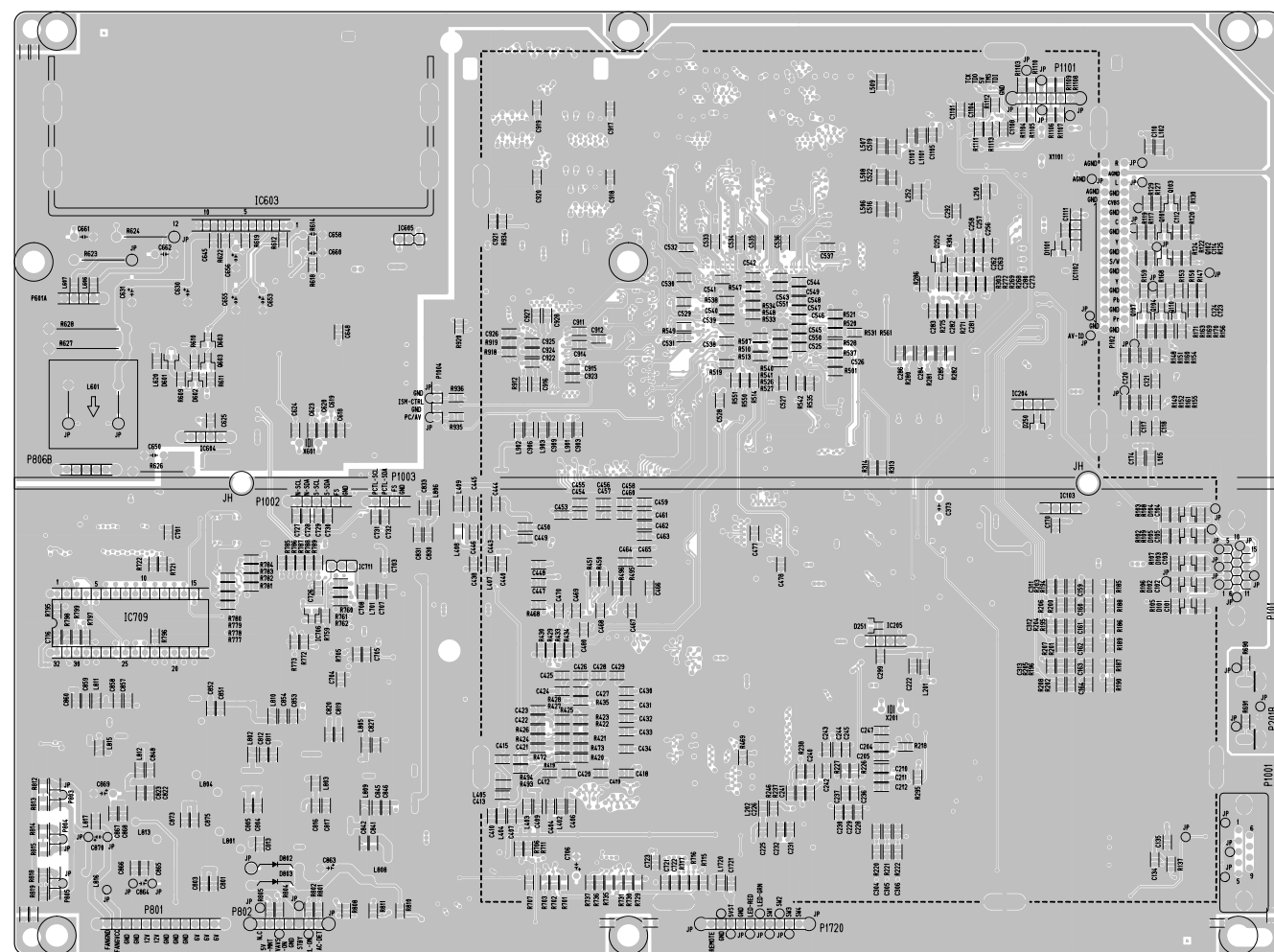
B

A

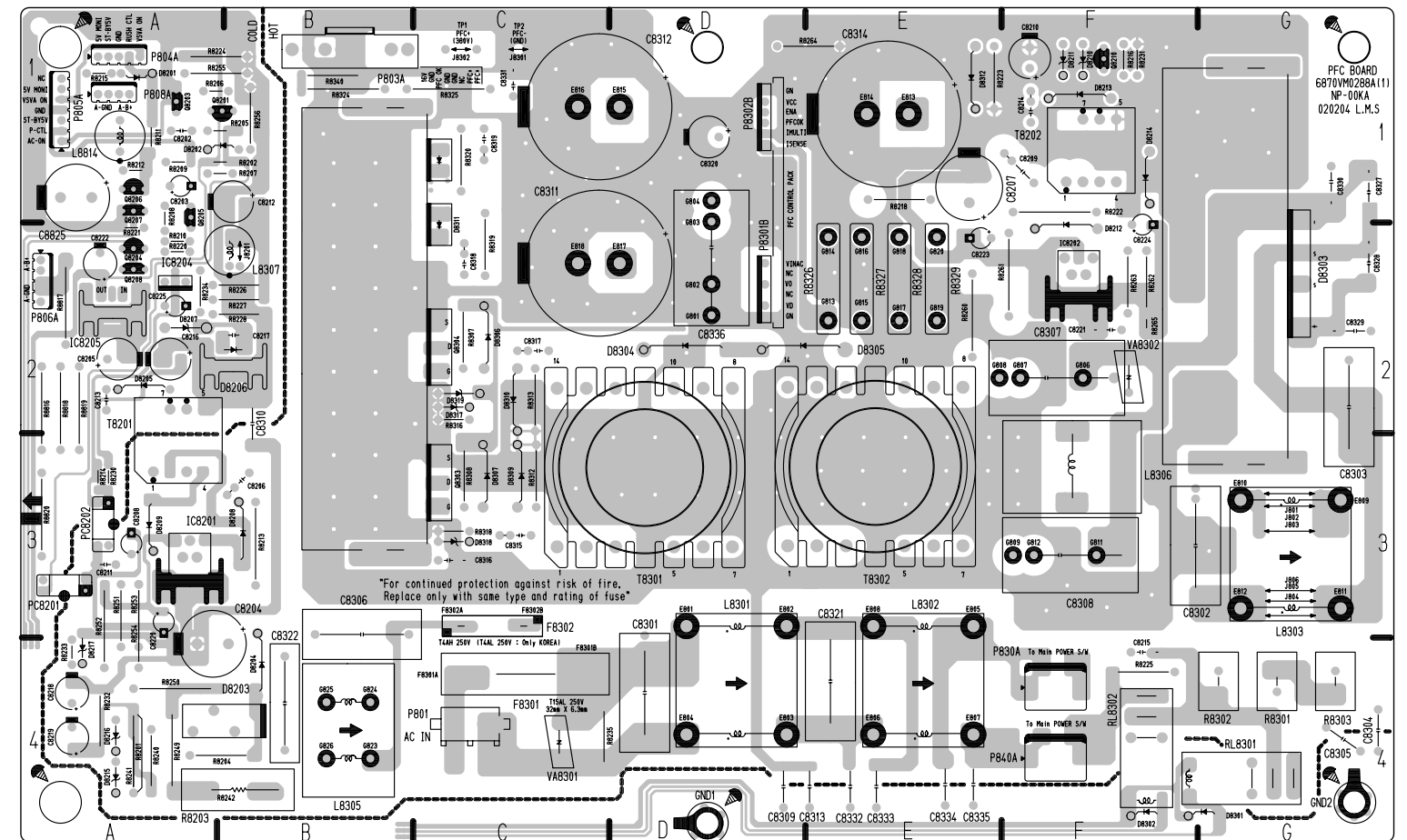
MAIN(TOP)



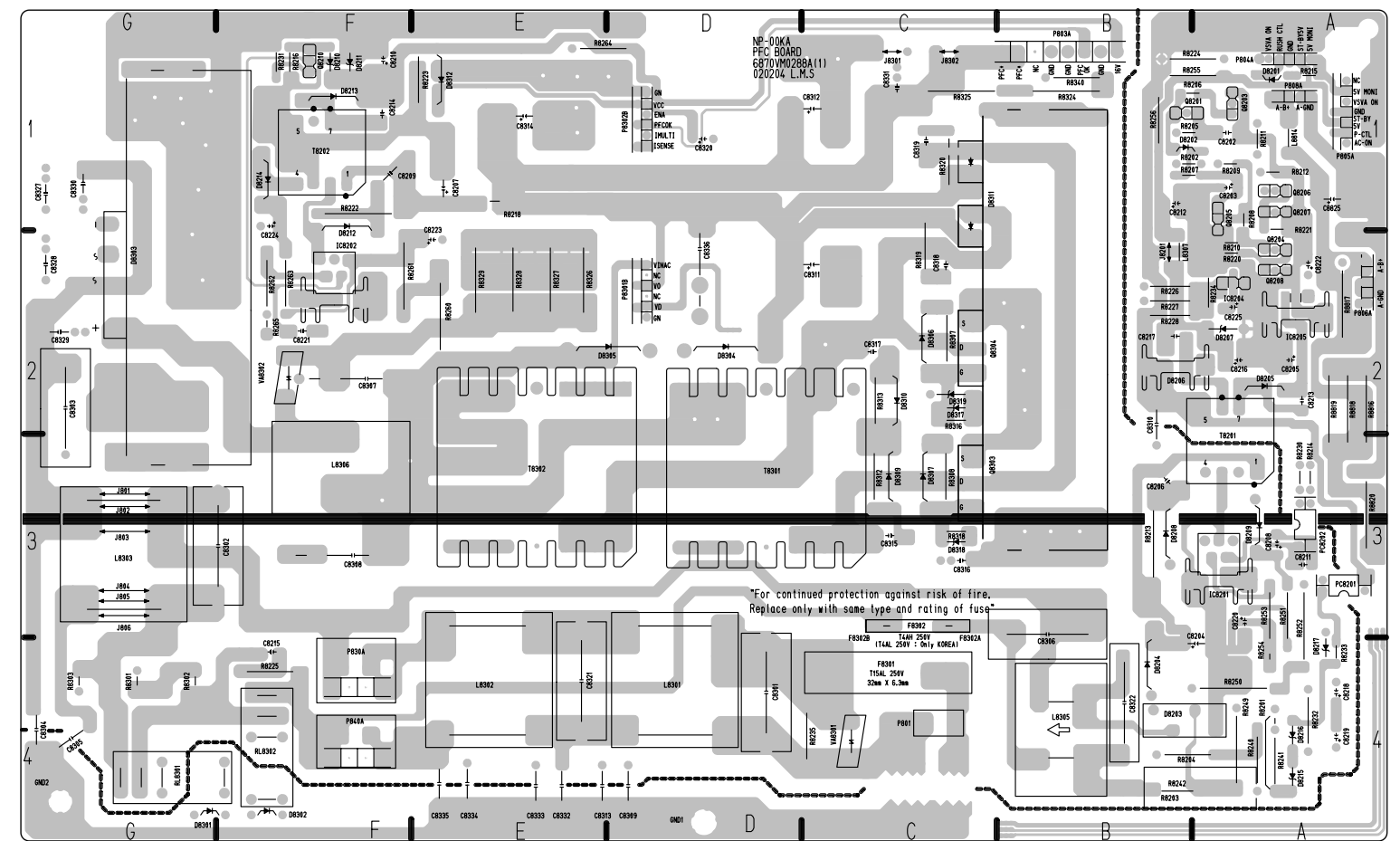
MAIN(BOTTOM)



POWER(TOP)



POWER(BOTTOM)



1	2	3	4	5	6	7	8	9	10
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A

1	2	3	4	5	6	7	8	9	10
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A

P60W26 - SHEET 29